

United States Patent and Trademark Office



UNITED STATES DEPARTMENT OF COMMERCE United States Patent and Trademark Office Address: COMMISSIONER FOR PATENTS P.O. Box 1450 Alexandria, Virginia 22313-1450 www.usplo.gov

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/521,108	01/11/2005	Giuseppe Longobardi	FR920020011US1	7105
25299 IBM CORPOR	7590 06/07/2007 ATION	EXAMINER		
PO BOX 12195		CARTER III, ROBERT E		
DEPT YXSA, BLDG 002 RESEARCH TRIANGLE PARK, NC 27709			ART UNIT	PAPER NUMBER
	,		2609	
			MAIL DATE	DELIVERY MODE
			06/07/2007	PAPER

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

Examiner Robert E. Carter 2609 - The MAILING DATE of this communication appears on the cover sheet with the correspondence address of Reply A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) is WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION. - Estensions of time may be analised under the provisions of 37 CFR 1.36(a). In or event, however, may a reply be limited after shift (s) (s) MONTH'S from the mailing date of this communication. - If NO period or reply is specification the mailing date of this communication. - If NO period or reply is provided above, the mailing date of this communication. - If NO period or reply is provided by the Office later than three months after the mailing date of this communication, and the state that the communication is provided by the Office later than three menths after the mailing date of this communication, even if timely filed, may reduce any searned patent term adjustment. See 37 CFR 1.704(b). - Status 1) Responsive to communication(s) filed on 01/1/1/2005. 2a This action is FINAL. 2b This action is non-final. 3) Since this application is in condition for allowance except for formal matters, prosecution as to the m closed in accordance with the practice under Ex parte Quayle, 1935 C.D. 11, 453 O.G. 213. Disposition of Claims 4) Claim(s) 1-10 is/are pending in the application. 4a Of the above claim(s) is/are withdrawn from consideration. 5 Claim(s) is/are allowed. Claim(s) is/are allowed. Claim(s) is/are objected to. 8 Claim(s) is/are objected to by the Examiner. 10 The drawing(s) filed on is/are: a) accepted or b objected to by the Examiner. Application Papers 9 The specification is objected to by the Examiner. 10 The drawing(s) filed on is/are: a) accepted or b objected to by the Examiner. Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a). Replacement drawing sheet(s) including the correction is required if the drawing(s		Application No.	Applicant(s)			
## Robert E. Carter ## Caster ## Robert E. Carter ## Robert E. Ca		10/521,108	LONGOBARDI ET AL.			
- The MAILING DATE of this communication appears on the cover sheet with the correspondence addres Period for Reply A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) I WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION. Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed. If NO period for reply is generally addressed above, the maximum statutory prior of will apply and let expire SIX (9) MONTHS from the mailing date of this communication (so the plant which is east or extended period for reply within the set or extended period with the provisions of the set of this communication, set of the s	Office Action Summary	Examiner	Art Unit			
Period for Reply A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) I WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION. Extensions of time may be available under the provisions of 37 CFR 1.13(s). In no event, however, may a reply be timely fried after Str. (s) MONTHS from the mailing date of this communication. If NO period for reply his specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this commercial reply within the set or extended period for reply will, systatute, cause the application to become ABANDONED (38 U.S. C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any extended patient term adjustment. See 37 CFR 1.704(b). Status 1) Responsive to communication(s) filed on 01/11/2005. 2a) This action is FINAL. 2b) This action is non-final. 3) Since this application is in condition for allowance except for formal matters, prosecution as to the moleosed in accordance with the practice under Ex parte Quayle, 1935 C.D. 11, 453 O.G. 213. Disposition of Claims 4) Claim(s) 1-10 is/are pending in the application. 4a) Of the above claim(s) is/are withdrawn from consideration. 5) Claim(s) is/are allowed. 6) Claim(s) is/are allowed. 6) Claim(s) is/are sobjected to. 8) Claim(s) is/are subject to restriction and/or election requirement. Application Papers 9) The specification is objected to by the Examiner. 10) The drawing(s) filed on is/are: a) accepted or b) objected to by the Examiner. Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a). Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.85(a). Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.85(a). Replacement drawing sheet(s) including the correction is required if the dra	·	Robert E. Carter	2609			
A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) I WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION. - Extensions of time may be available under the provisions of 3 ro FR 1.136(s). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication. - I'NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication. - I'NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication to become ABANDONED (35 U.S.C. § 133). Any reply reviewed by the Office letter than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b). Status 1) Responsive to communication(s) filed on 01/11/2005. 2a) This action is FINAL. 2b) This action is non-final. 3) Since this application is in condition for allowance except for formal matters, prosecution as to the m closed in accordance with the practice under Ex parte Quayle, 1935 C.D. 11, 453 O.G. 213. Disposition of Claims 4) Claim(s) 1-10 is/are pending in the application. 4a) Of the above claim(s) is/are withdrawn from consideration. 5) Claim(s) is/are allowed. 6) Claim(s) is/are rejected. 7) Claim(s) is/are rejected. 7) Claim(s) is/are rejected. Application Papers 9) The specification is objected to by the Examiner. 10) The drawing(s) filed on is/are: a) cocepted or b) objected to by the Examiner. Application Papers 11) The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-Priority under 35 U.S.C. § 119(a)-(d) or (f). a) All b) Some * c) None of: 1. Certified copies of the priority documents have been received in Application No. in the application from the International Bureau (PCT Rule 17.2(a)).		pears on the cover sheet with	the correspondence address			
1) Responsive to communication(s) filed on 01/11/2005. 2a) ☐ This action is FINAL. 2b) ☐ This action is non-final. 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the m closed in accordance with the practice under Ex parte Quayle, 1935 C.D. 11, 453 O.G. 213. Disposition of Claims 4) ☐ Claim(s) 1-10 is/are pending in the application. 4a) Of the above claim(s) is/are withdrawn from consideration. 5) ☐ Claim(s) is/are allowed. 6) ☐ Claim(s) is/are allowed. 7) ☐ Claim(s) is/are objected to. 8) ☐ Claim(s) is/are objected to. 8) ☐ The specification is objected to by the Examiner. 10) ☐ The drawing(s) filed on is/are: a) ☐ accepted or b) ☐ objected to by the Examiner. Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a). Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO- Priority under 35 U.S.C. § 119 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f). a) ☐ All b) ☐ Some * c) ☐ None of: 1. ☐ Certified copies of the priority documents have been received in Application No 3. ☐ Copies of the certified copies of the priority documents have been received in this National Sta application from the International Bureau (PCT Rule 17.2(a)).	A SHORTENED STATUTORY PERIOD FOR REPLY WHICHEVER IS LONGER, FROM THE MAILING D. - Extensions of time may be available under the provisions of 37 CFR 1.1 after SIX (6) MONTHS from the mailing date of this communication. - If NO period for reply is specified above, the maximum statutory period to Failure to reply within the set or extended period for reply will, by statute Any reply received by the Office later than three months after the mailing	ATE OF THIS COMMUNICA 36(a). In no event, however, may a rep will apply and will expire SIX (6) MONTH e, cause the application to become ABAI	ATION. If you be timely filed Is from the mailing date of this communication. NDONED (35 U.S.C. § 133).			
2a) This action is FINAL. 2b) This action is non-final. 3) Since this application is in condition for allowance except for formal matters, prosecution as to the m closed in accordance with the practice under Ex parte Quayle, 1935 C.D. 11, 453 O.G. 213. Disposition of Claims 4) Claim(s) 1-10 is/are pending in the application. 4a) Of the above claim(s) is/are withdrawn from consideration. 5) Claim(s) is/are allowed. 6) Claim(s) 1-10 is/are rejected. 7) Claim(s) is/are objected to. 8) Claim(s) is/are objected to. Application Papers 9) The specification is objected to by the Examiner. 10) The drawing(s) filed on is/are: a) accepted or b) objected to by the Examiner. Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a). Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.1) The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-Priority under 35 U.S.C. § 119 12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f). a) All b) Some * c) None of: 1. Certified copies of the priority documents have been received in Application No 3. Copies of the certified copies of the priority documents have been received in this National Sta application from the International Bureau (PCT Rule 17.2(a)).	Status					
4) ⊠ Claim(s) 1-10 is/are pending in the application. 4a) Of the above claim(s) is/are withdrawn from consideration. 5) ☐ Claim(s) is/are allowed. 6) ☒ Claim(s) is/are rejected. 7) ☐ Claim(s) is/are objected to. 8) ☐ Claim(s) are subject to restriction and/or election requirement. Application Papers 9) ☐ The specification is objected to by the Examiner. 10) ☐ The drawing(s) filed on is/are: a) ☐ accepted or b) ☐ objected to by the Examiner. Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a). Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO- Priority under 35 U.S.C. § 119 12) ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f). a) ☒ All b) ☐ Some * c) ☐ None of: 1. ☒ Certified copies of the priority documents have been received. 2. ☐ Certified copies of the priority documents have been received in Application No 3. ☐ Copies of the certified copies of the priority documents have been received in this National Staapplication from the International Bureau (PCT Rule 17.2(a)).	2a) ☐ This action is FINAL . 2b) ☐ This 3) ☐ Since this application is in condition for alloward	s action is non-final. nce except for formal matter	•			
4) ⊠ Claim(s) 1-10 is/are pending in the application. 4a) Of the above claim(s) is/are withdrawn from consideration. 5) ☐ Claim(s) is/are allowed. 6) ☒ Claim(s) is/are rejected. 7) ☐ Claim(s) is/are objected to. 8) ☐ Claim(s) are subject to restriction and/or election requirement. Application Papers 9) ☐ The specification is objected to by the Examiner. 10) ☐ The drawing(s) filed on is/are: a) ☐ accepted or b) ☐ objected to by the Examiner. Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a). Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO- Priority under 35 U.S.C. § 119 12) ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f). a) ☒ All b) ☐ Some * c) ☐ None of: 1. ☒ Certified copies of the priority documents have been received. 2. ☐ Certified copies of the priority documents have been received in Application No 3. ☐ Copies of the certified copies of the priority documents have been received in this National Staapplication from the International Bureau (PCT Rule 17.2(a)).	Disposition of Claims					
9) The specification is objected to by the Examiner. 10) The drawing(s) filed on is/are: a) accepted or b) objected to by the Examiner. Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a). Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.1 The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO- Priority under 35 U.S.C. § 119 12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f). a) All b) Some * c) None of: 1. Certified copies of the priority documents have been received. 2. Certified copies of the priority documents have been received in Application No 3. Copies of the certified copies of the priority documents have been received in this National State application from the International Bureau (PCT Rule 17.2(a)).	 4a) Of the above claim(s) is/are withdraw 5) ☐ Claim(s) is/are allowed. 6) ☐ Claim(s) <u>1-10</u> is/are rejected. 7) ☐ Claim(s) is/are objected to. 	wn from consideration.				
10) The drawing(s) filed on is/are: a) accepted or b) objected to by the Examiner. Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a). Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.10 The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO- Priority under 35 U.S.C. § 119 12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f). a) All b) Some * c) None of: 1. Certified copies of the priority documents have been received. 2. Certified copies of the priority documents have been received in Application No 3. Copies of the certified copies of the priority documents have been received in this National Stata application from the International Bureau (PCT Rule 17.2(a)).	Application Papers					
 12) ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f). a) ☒ All b) ☐ Some * c) ☐ None of: 1. ☒ Certified copies of the priority documents have been received. 2. ☐ Certified copies of the priority documents have been received in Application No 3. ☐ Copies of the certified copies of the priority documents have been received in this National State application from the International Bureau (PCT Rule 17.2(a)). 	10) The drawing(s) filed on is/are: a) accomplicant may not request that any objection to the Replacement drawing sheet(s) including the correct	epted or b) objected to by drawing(s) be held in abeyance tion is required if the drawing(s)	e. See 37 CFR 1.85(a). is objected to. See 37 CFR 1.121(d).			
 a) All b) Some * c) None of: 1. Certified copies of the priority documents have been received. 2. Certified copies of the priority documents have been received in Application No 3. Copies of the certified copies of the priority documents have been received in this National State application from the International Bureau (PCT Rule 17.2(a)). 	Priority under 35 U.S.C. § 119					
	 a) All b) Some * c) None of: 1. Certified copies of the priority documents have been received. 2. Certified copies of the priority documents have been received in Application No. 3. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)). 					
Attachment(s) 1) Notice of References Cited (PTO-892) 2) Notice of Draftsperson's Patent Drawing Review (PTO-948) 3) Information Disclosure Statement(s) (PTO/SB/08) 4) Interview Summary (PTO-413) Paper No(s)/Mail Date 5) Notice of Informal Patent Application	Notice of References Cited (PTO-892) Notice of Draftsperson's Patent Drawing Review (PTO-948)	Paper No(s)/I	Mail Date			

Page 2

Claim Rejections - 35 USC § 102

1. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless -

(e) the invention was described in (1) an application for patent, published under section 122(b), by another filed in the United States before the invention by the applicant for patent or (2) a patent granted on an application for patent by another filed in the United States before the invention by the applicant for patent, except that an international application filed under the treaty defined in section 351(a) shall have the effects for purposes of this subsection of an application filed in the United States only if the international application designated the United States and was published under Article 21(2) of such treaty in the English language.

1. Claims 1-10 are rejected under 35 U.S.C. 102(e) as being anticipated by Adriaansen et al. (US Patent # 6,700,773).

As for claims 1-10,

Adriaansen teaches:

A peripheral device (Fig. 39, # 177) connectable to a central processing unit (Fig. 39, # 175) and to a main display (Fig. 39, # 139) of a data processing system (Fig. 39, # 173) including a mechanical keyboard (Fig. 39, # 192) having a plurality of keys (while Adriaansen does not explicitly state how many keys are on the keyboard 192 of Fig. 39, it is clear from the drawing that it has a plurality of keys) for entering information into the data processing system when the keys are pressed, characterized in that the peripheral device has a first surface (Fig. 39, # 192) and a second surface (Fig. 40, # 196)

Art Unit: 2609

opposed to the first surface, the first surface carrying the mechanical keyboard and the second surface carrying a configurable unit (Fig. 40, # 196) for displaying a visual representation of a plurality of further keys (Col. 8, lines 12-16, 31-36) for entering information into the data processing system when the further keys are selected, the configurable unit being separate from the main display, wherein the mechanical keyboard is accessible to a user of the data processing system when the peripheral device is in a first operative position with the first surface turned upwards and the configurable unit is accessible to the user when the peripheral device is in a second operative position with the second surface turned upwards.

Wherein the configurable unit includes a touch-screen (Col. 1, lines 25-27, Col. 18, lines 19-21), the further keys being selected when touched.

The peripheral device further including means for spacing the keys apart from a surface (Fig. 40, 1750) bearing the peripheral device in the second operative position.

While not explicitly stated or indicated, the fact that the keyboard (Fig. 39, # 192) is recessed below the surface of the panel (Fig. 39, # 177) can clearly be seen in Fig. 39.

This would mean the panel (177) serves as a spacer to space the keys apart from the surface (1750) of the central unit (Fig. 39, # 175) when the peripheral device is in the second operative position.

Art Unit: 2609

The peripheral device further including switching means (Fig. 42, # 198, 200a, 200b) for alternatively enabling the mechanical keyboard or the configurable unit.

The peripheral device wherein the switching means includes a sensor (Fig. 42, # 198) for detecting the position of the peripheral device, the mechanical keyboard being enabled when the peripheral device is in the first operative position and the configurable unit being enabled when the peripheral device is in the second operative position (Col. 19, lines 1-20).

The peripheral device further including means (Col. 8, lines 36-43) for displaying output information on the configurable unit.

A data processing system (Fig. 39, # 173) including the peripheral device (Fig. 39, # 177)

The data processing system further including a central unit (Fig. 40, # 175) and means (Fig. 40, # 189a) for pivoting the peripheral device around the central unit and for sliding an internal edge of the peripheral device along the central unit between a first end of stroke and a second end of stroke (Fig. 40, # 188), the peripheral device being folded down the central unit in the first operative position or in the second operative position when the internal edge is at the first end of stroke or at the second end of stroke,

Art Unit: 2609

respectively (Col. 18, lines 28-56).

The data processing system further including latching means (Fig. 40, # 189b) for latching the peripheral device in the first operative position or in the second operative position.

The data processing system wherein the latching means includes first command means (Fig. 40, # 194) for unlatching the peripheral device when in the first operative position, second command means (Fig. 41, # 194) for unlatching the peripheral device when in the second operative position, and means (Fig. 40, # 194) for providing an indication identifying the first command means or the second command means when the peripheral device is in the first operative position or in the second operative position. respectively.

Conclusion

2. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure:

Oakley (US Patent #7,126,588) discloses a reconfigurable laptop with a keyboard and two displays.

Application/Control Number: 10/521,108

Art Unit: 2609

Ossia (US Patent # 6,747,635) discloses a reconfigurable laptop with a keyboard, display, and touchpad.

Anzai et al. (US Patent # 6,259,597) discloses a reconfigurable laptop with a keyboard, display, and touchpad.

Isashi (US Patent # 5,898,600) discloses a laptop with a display, keyboard, and a means for spacing the keys apart from a surface bearing against the keyboard when in a stored position.

Register (US Patent # 5,440,502) discloses a reconfigurable laptop with a detachable keyboard and a display.

Register et al. (US Patent # 5,241,303) discloses a reconfigurable laptop with a detachable keyboard and a display.

Daniels (US Publication # 2005/0035950) discloses a reconfigurable laptop with a detachable keyboard and a display.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Robert E. Carter whose telephone number is 571-270-3006. The examiner can normally be reached on M-F.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Chris Kelley can be reached on 571-272-7331. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Application/Control Number: 10/521,108

Art Unit: 2609

Page 7

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

REC

KENT CHANG PRIMARY EXAMINER